

Figure 1

# VP22-REP CONSTRUCTION

AAV2 REP



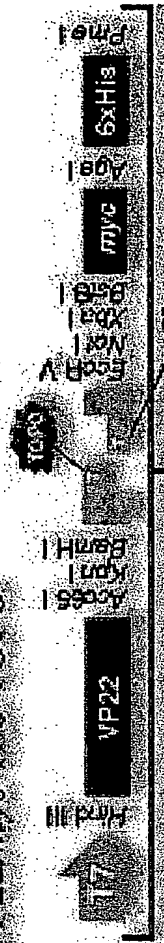
XbaI

EcoRV

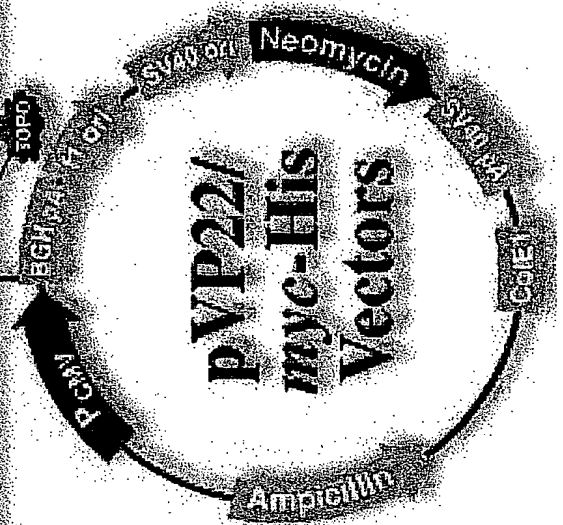
pVP22/myc-His



pVP22/myc-His-TOPO



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Figure 2

# REP-VP22 CONSTRUCTION

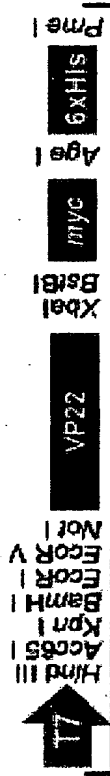
AAV2 REP



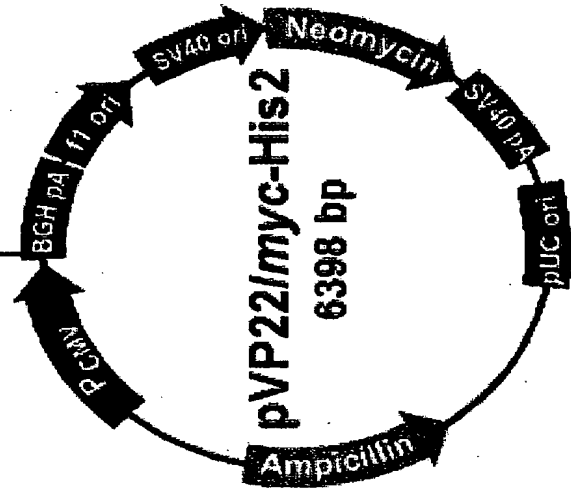
EcoRV

Not I

1. STOP->CYS
2. PHE->CYS
- LAST 2 AA DROPPED



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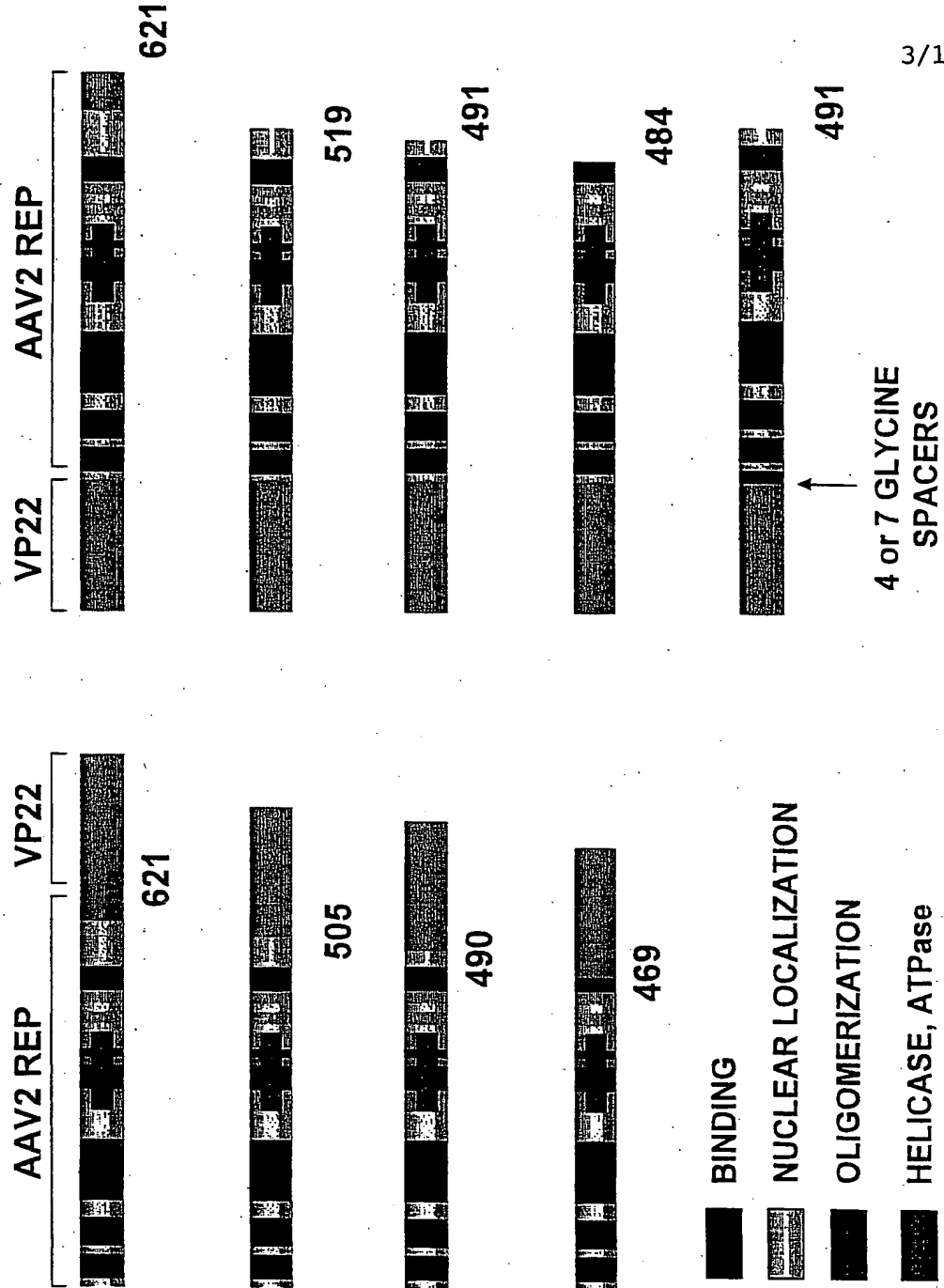


Figure 3A

Figure 3B

## WESTERN ANALYSIS OF REP<sub>490</sub>-VP22 EXPRESSION

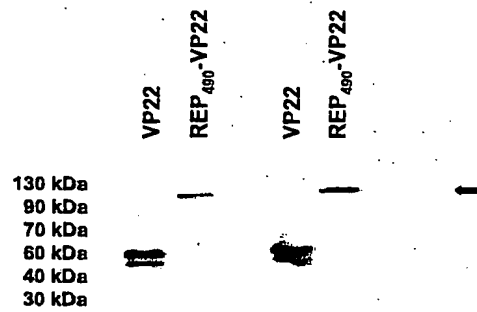
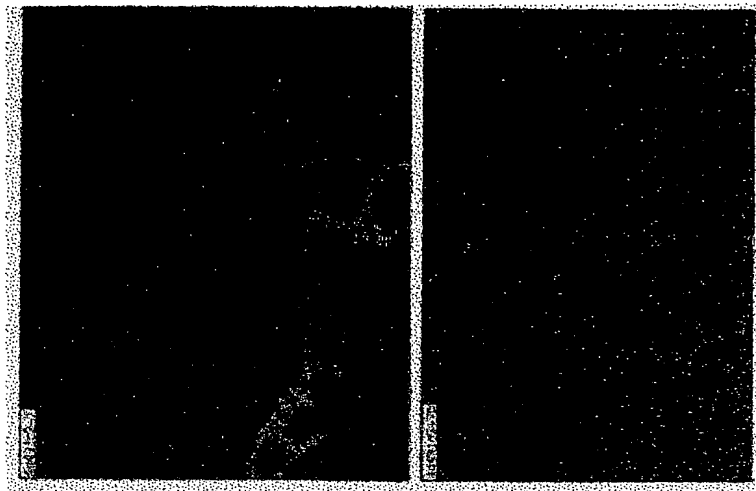


Figure 4

VP4glyRep491



VPRep491

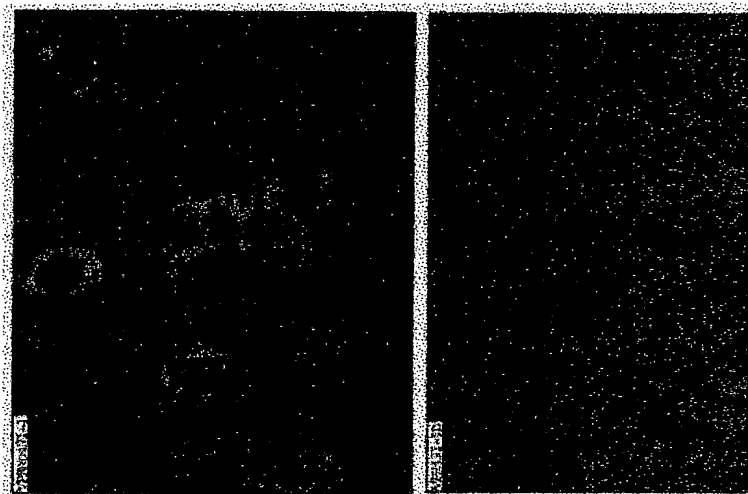


Figure 5

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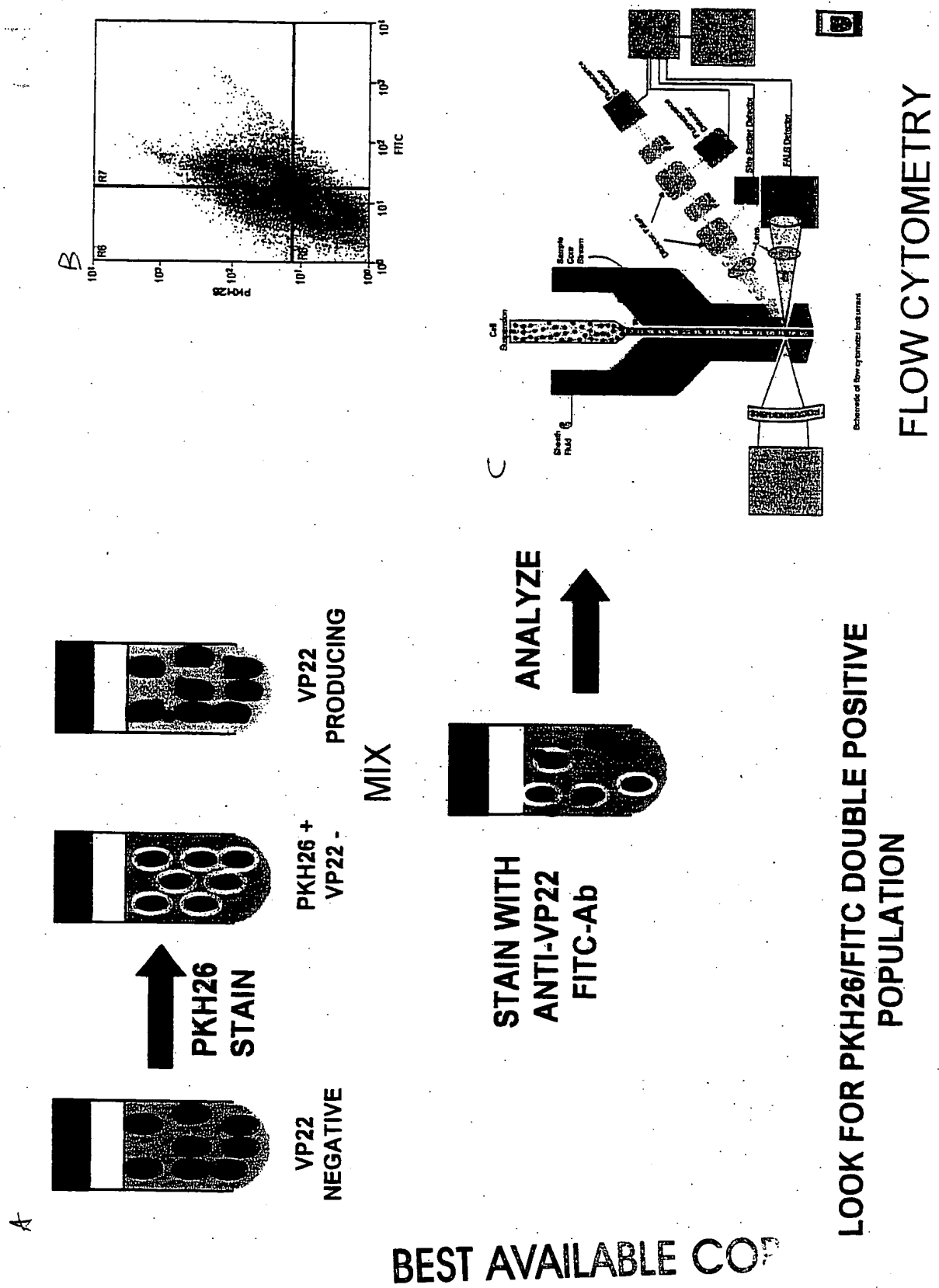
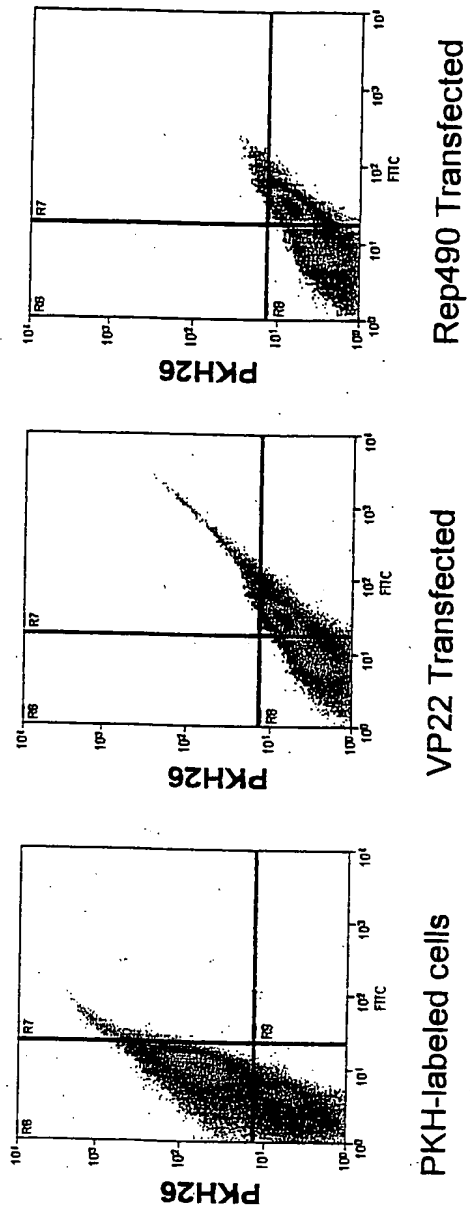


Figure 6

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SINGLE POPULATIONS



MIXED POPULATIONS

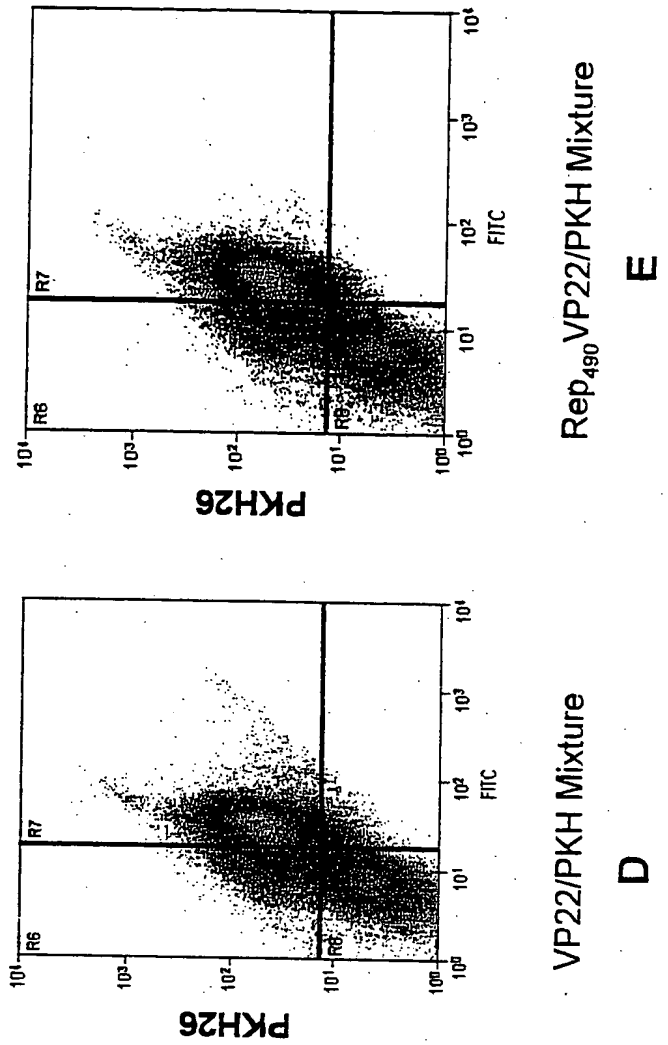


Figure 7

BEST AVAILABLE COPY

Figure 8A

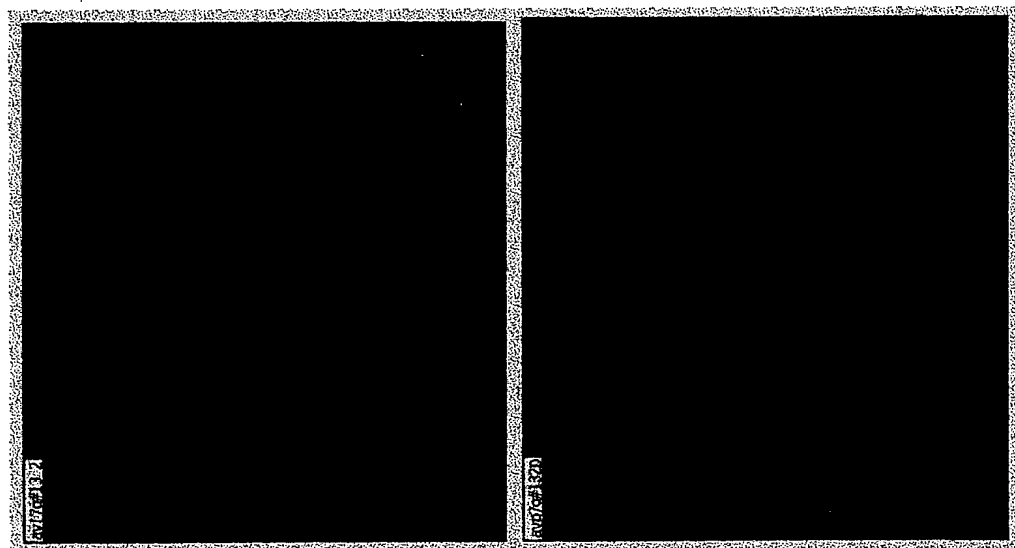


Figure 8B

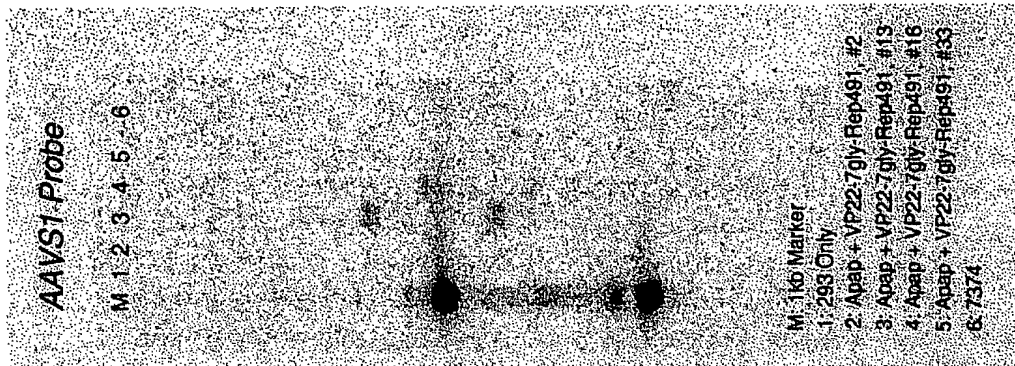


Figure 9

Figure 10



# rAAV-CELL JUNCTION SEQUENCE ANALYSIS VP22<sub>4GLY</sub>REP<sub>491</sub>

>gi|341631|gb|M27086.1|HUMA AAV02 Homo sapiens DNA fragment containing the 3'  
adeno-associated virus/cellular junction Length = 875 Score = 686 bits (346),  
Expect = 0.0 Identities = 393/402 (97%), Gaps = 5/402 (1%) Strand = Plus / Plus.

```

Query:   101      tacaggacctccotaa-ccctatgacgtaattoacgtoacgactccttccctgacctgcc 159
          |||
Sbjct:   362      taacaggacctccotaaacccatgacgtaattoacgtoacgactccttccctgacctgcc 421
Query:   160      ctctcctgaacctgagccagctcccatagctcagctctggtctatctgcctggacctggcc 219
          |||
Sbjct:   422      ctctcctgaacctgagccagctcccatagctcagctctggtctatctgcctggacctggcc- 480
Query:   220      attgtaactttgagctgacctcctctctgaccccgagtgcccttgctgtgcgcgggaact 279
          |||
Sbjct:   481      attgtaactttgagctgacctcctctctgacccc-gagtgcccttgctgtgcgcgggaact 539
Query:   280      ctgccctctaaagctgcggtctctctcctgagtcaggacaaactttgagctctactggctt 339
          |||
Sbjct:   540      ctgccctctaaagctgcggtctctctcctgagtcaggacaaactttgagctctactggctt 599
  
```

Figure 11

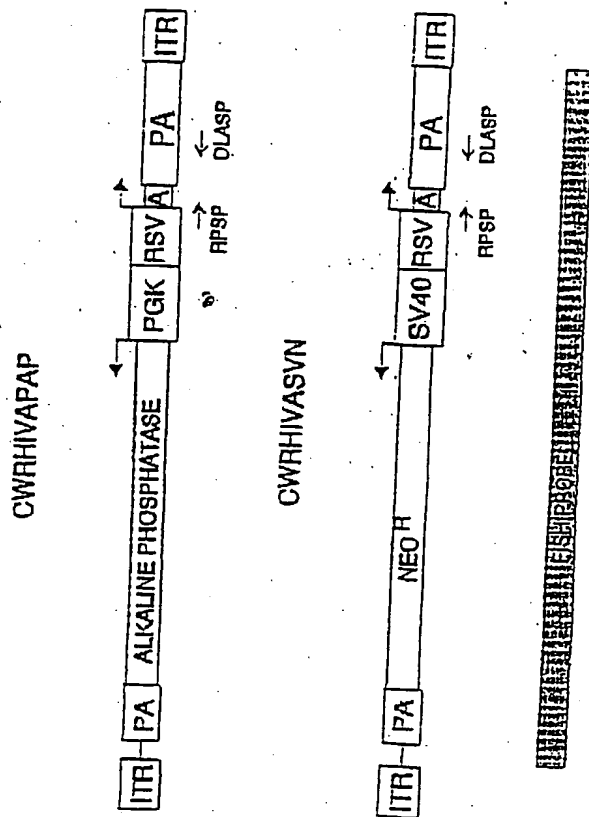


Figure 12